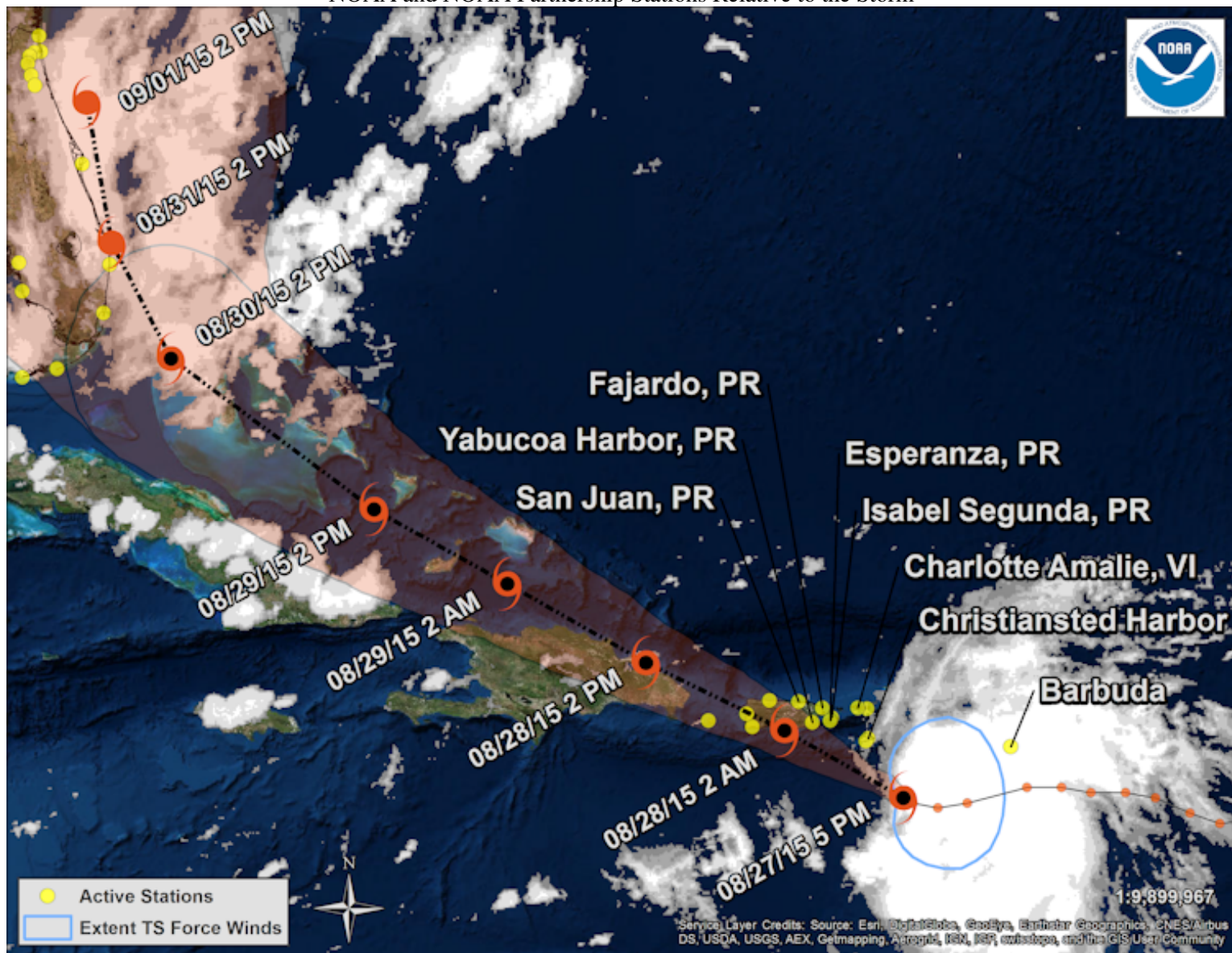


Tropical Storm ERIKA QuickLook
Posted: 18:00 AST 08/27/2015

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 08/27/2015 18:00 AST, water levels along the coasts of Puerto Rico, the U.S. Virgin Islands and Barbuda are measuring 0.3-0.7 feet above tidal predictions. Wind speeds are slowly increasing across the region, measuring 5 to 25 knots with gusts up to 30 knots. Barometric pressure has begun to decrease across the islands.

Tropical Storm ERIKA QuickLook, POSTED 18:00 AST 08/27/2015

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the Center for Operational Oceanographic Products & Services website. For more information or archived products and reports, please see the Storm QuickLook Homepage.

Analyst: AC

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM ERIKA ADVISORY NUMBER 12

NWS NATIONAL HURRICANE CENTER MIAMI FL

500 PM AST THU AUG 27 2015

...ERIKA PRODUCING VERY HEAVY RAINS OVER PORTIONS OF THE LEEWARD ISLANDS...

WATCHES AND WARNINGS

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Tropical Storm Warning is in effect for...

- * Puerto Rico
- * Vieques
- * Culebra
- * U.S. Virgin Islands

For storm information specific to your area in the United States, including possible inland watches and warnings, please monitor products issued by your local National Weather Service forecast office. For storm information specific to your area outside the United States, please monitor products issued by your national meteorological service.

DISCUSSION AND 48-HOUR OUTLOOK

At 500 PM AST, the center of Tropical Storm Erika was located about 175 MI W of Guadeloupe. Erika is moving toward the west-northwest near 15 mph and this general motion is expected to continue for the next 48 hours. On the forecast track, the center of Erika will move near the Virgin Islands this evening, move near or over Puerto Rico tonight, and move near or over the Dominican Republic on Friday.

Maximum sustained winds are near 45 mph with higher gusts.

Tropical Storm ERIKA QuickLook, POSTED 18:00 AST 08/27/2015

No significant change in strength is forecast during the next 48 hours.

Tropical storm force winds extend outward up to 140 miles from the center.

The estimated minimum central pressure is 1006 mb.

HAZARDS AFFECTING LAND

WIND: Tropical storm conditions are expected to continue over portions of the warning area in the Leeward Islands for the next few hours, and reach the Virgin Islands this evening and Puerto Rico tonight. Tropical storm conditions are possible in the watch area in the Leeward Islands for the next few hours. Tropical storm conditions could reach portions of the watch area in the Dominican Republic on Friday, and the southeastern Bahamas and Turks and Caicos Islands late Friday and Friday night.

RAINFALL: Erika is expected to produce total rainfall accumulations of 4 to 8 inches with maximum amounts of 12 inches possible across portions of the Leeward Islands, the Virgin Islands, Puerto Rico, the Dominican Republic, the Turks and Caicos Islands, and the southeastern Bahamas through Saturday. These rains could cause life-threatening flash floods and mud slides.

NEXT ADVISORY

Next intermediate advisory at 800 PM AST.

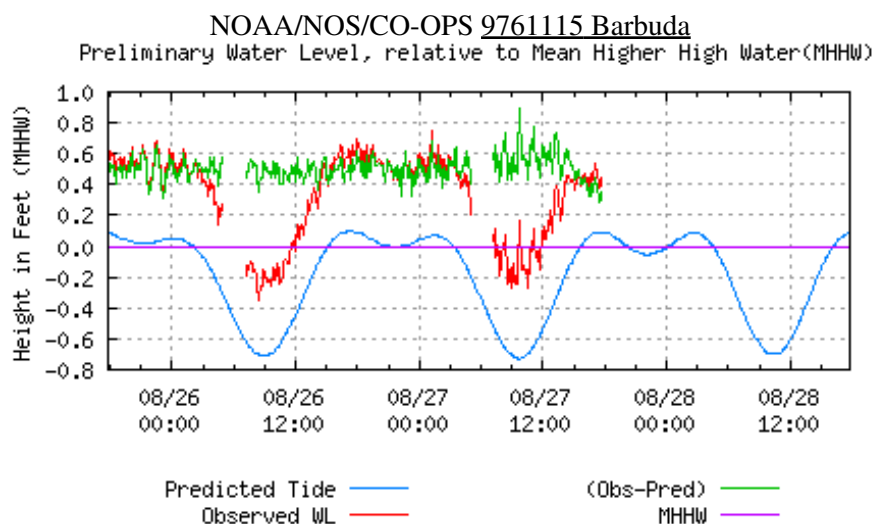
Next complete advisory at 1100 PM AST.

Forecaster Pasch

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Barbuda - Water Level](#), [Barbuda - Winds](#), [Barbuda - Barometric](#), [Christiansted Harbor, St Croix - Water Level](#), [Christiansted Harbor, St Croix - Winds](#), [Christiansted Harbor, St Croix - Barometric](#), [Charlotte Amalie - Water Level](#), [Charlotte Amalie - Winds](#), [Isabel Segunda, Vieques Island - Water Level](#), [Isabel Segunda, Vieques Island - Winds](#), [Esperanza, Vieques Island - Water Level](#), [Esperanza, Vieques Island - Winds](#), [Esperanza, Vieques Island - Barometric](#), [Fajardo - Water Level](#), [Fajardo - Winds](#), [Yabucoa Harbor - Water Level](#), [Yabucoa Harbor - Winds](#), [San Juan - Water Level](#), [San Juan - Winds](#), [San Juan - Barometric](#)

Tropical Storm ERIKA QuickLook, POSTED 18:00 AST 08/27/2015

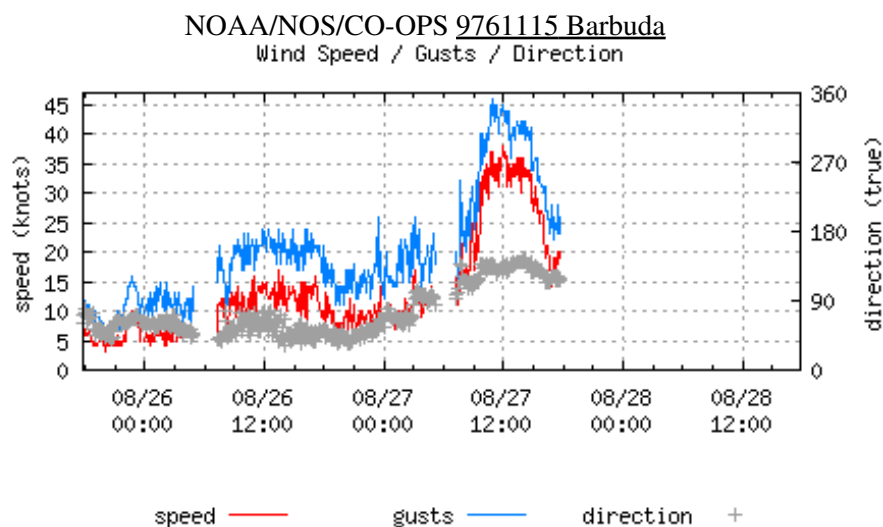


Last Observed Sample: 08/27/2015 17:48 (AST). Data relative to MHHW

Observed: 0.41 ft. Predicted: 0.09 ft. Residual: 0.32 ft.

Historical Maximum Water Level: Aug 23 2012, 1.05 ft.

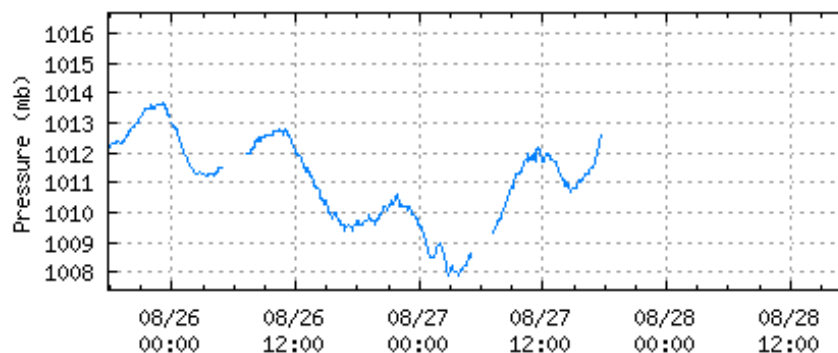
Next High Tide: 08/28/2015 02:39 (AST), 0.08 ft.



Last Observed Sample: 08/27/2015 17:48 (AST)

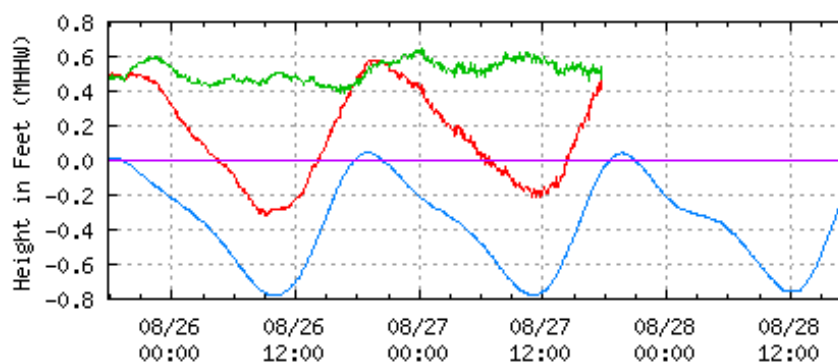
Wind Speed: 16 knots Gusts: 23 knots Direction: 117° T

NOAA/NOS/CO-OPS 9761115 Barbuda
Barometric Pressure



barometric pressure —
Last Observed Sample: 08/27/2015 17:48 (AST)
Barometric Pressure: 1012.7 mb

NOAA/NOS/CO-OPS 9751364 Christiansted Harbor, St Croix, VI
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 08/27/2015 17:48 (AST). Data relative to MHHW

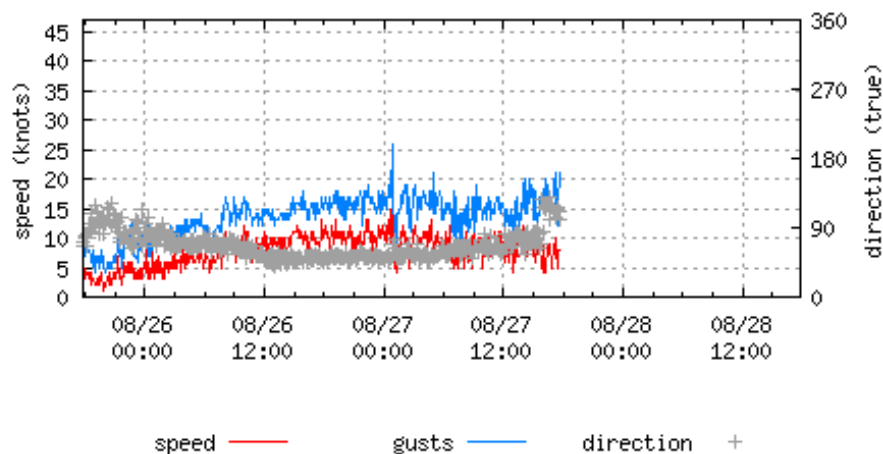
Observed: 0.46 ft. Predicted: -0.05 ft. Residual: 0.51 ft.

Historical Maximum Water Level: Oct 16 2008, 1.17 ft.

Next High Tide: 08/27/2015 19:42 (AST), 0.04 ft.

NOAA/NOS/CO-OPS 9751364 Christiansted Harbor, St Croix, VI

Wind Speed / Gusts / Direction

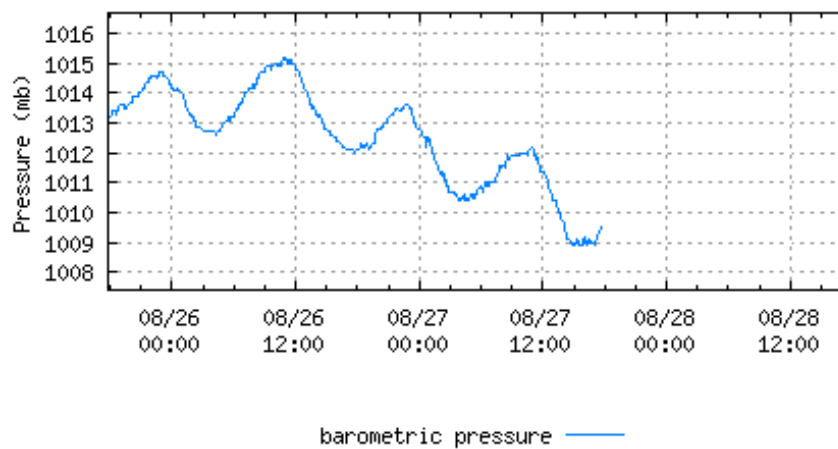


Last Observed Sample: 08/27/2015 17:48 (AST)

Wind Speed: 5 knots Gusts: 14 knots Direction: 113° T

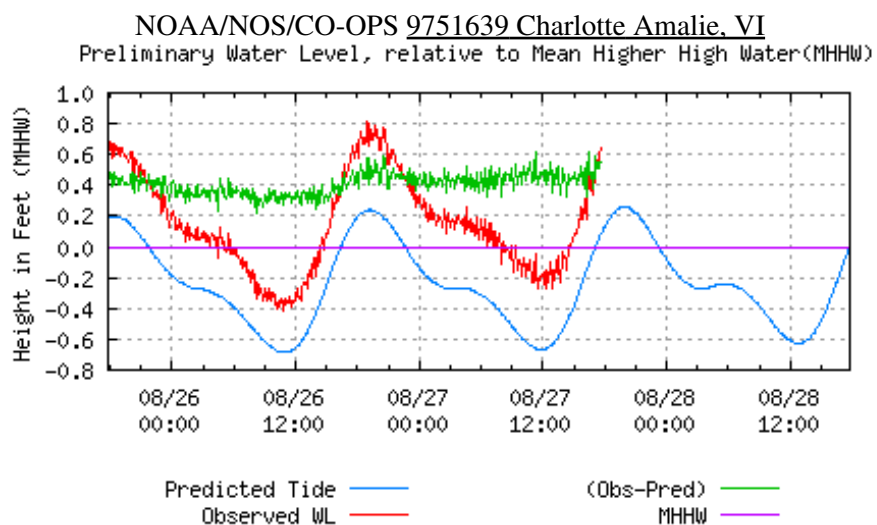
NOAA/NOS/CO-OPS 9751364 Christiansted Harbor, St Croix, VI

Barometric Pressure



Last Observed Sample: 08/27/2015 17:48 (AST)

Barometric Pressure: 1009.5 mb

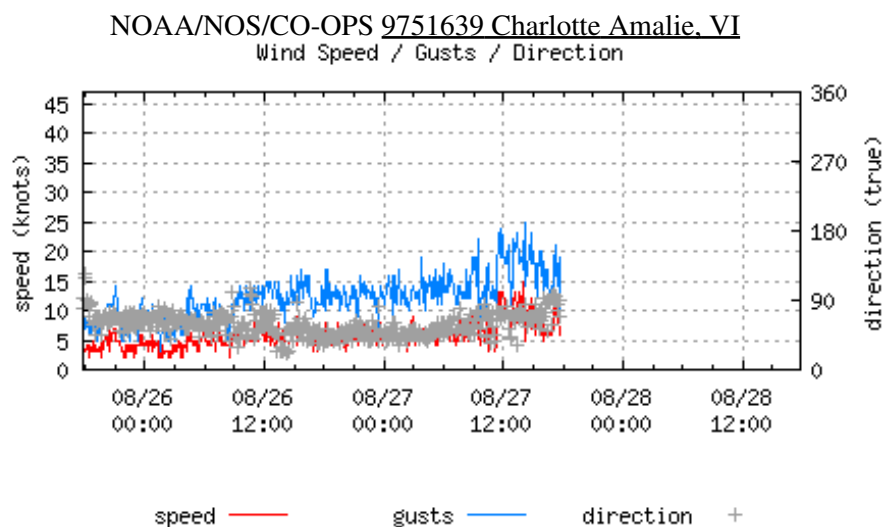


Last Observed Sample: 08/27/2015 17:48 (AST). Data relative to MHHW

Observed: 0.64 ft. Predicted: 0.10 ft. Residual: 0.54 ft.

Historical Maximum Water Level: Sep 16 1995, 2.93 ft.

Next High Tide: 08/27/2015 19:56 (AST), 0.26 ft.

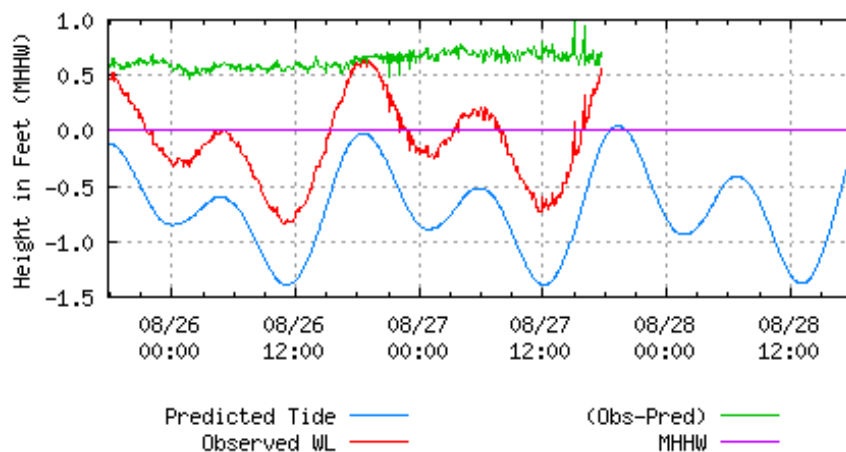


Last Observed Sample: 08/27/2015 17:48 (AST)

Wind Speed: 9 knots Gusts: 22 knots Direction: 94° T

NOAA/NOS/CO-OPS 9752619 Isabel Segunda, Vieques Island, PR

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 08/27/2015 17:48 (AST). Data relative to MHHW

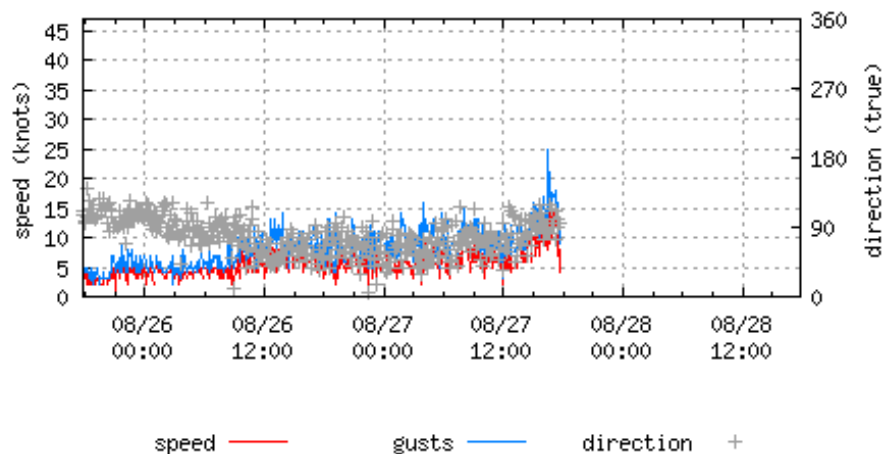
Observed: 0.58 ft. Predicted: -0.11 ft. Residual: 0.69 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/27/2015 19:20 (AST), 0.05 ft.

NOAA/NOS/CO-OPS 9752619 Isabel Segunda, Vieques Island, PR

Wind Speed / Gusts / Direction

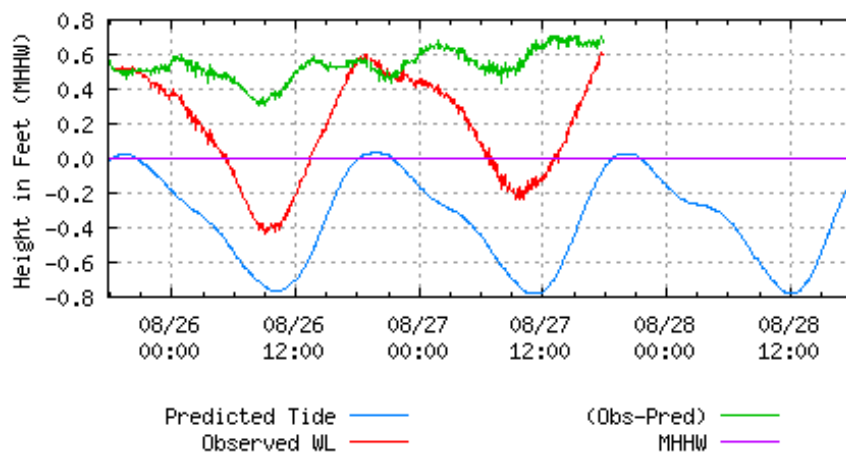


Last Observed Sample: 08/27/2015 17:48 (AST)

Wind Speed: 8 knots Gusts: 13 knots Direction: 111° T

NOAA/NOS/CO-OPS 9752695 Esperanza, Vieques Island, PR

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 08/27/2015 17:54 (AST). Data relative to MHHW

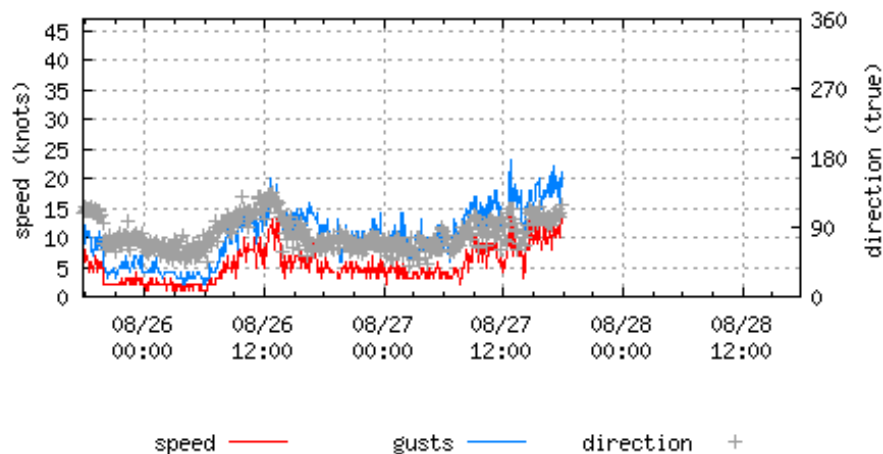
Observed: 0.60 ft. Predicted: -0.06 ft. Residual: 0.66 ft.

Historical Maximum Water Level: Aug 22 2011, 0.99 ft.

Next High Tide: 08/27/2015 20:08 (AST), 0.03 ft.

NOAA/NOS/CO-OPS 9752695 Esperanza, Vieques Island, PR

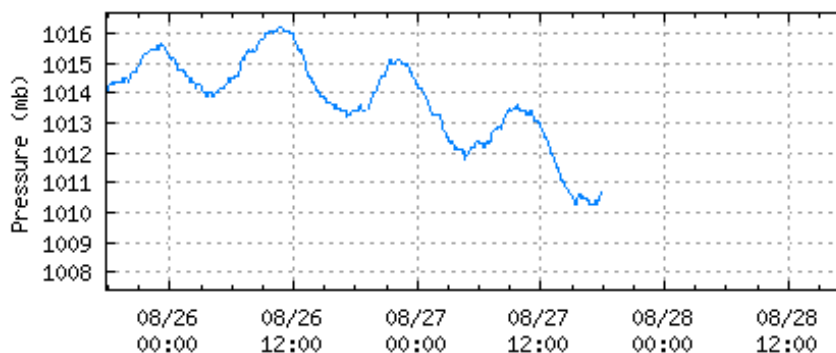
Wind Speed / Gusts / Direction



Last Observed Sample: 08/27/2015 17:54 (AST)

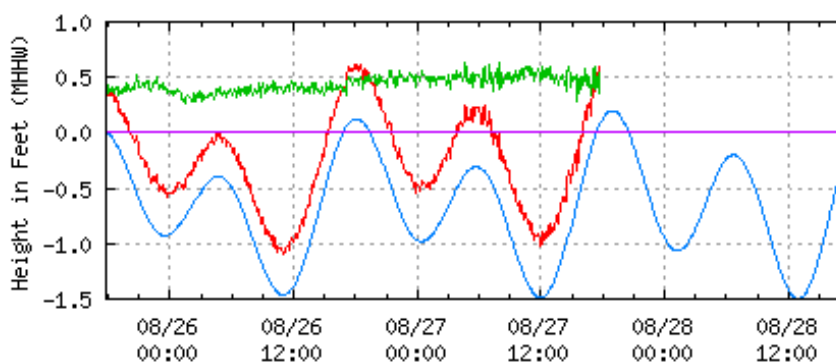
Wind Speed: 12 knots Gusts: 19 knots Direction: 111° T

NOAA/NOS/CO-OPS 9752695 Esperanza, Vieques Island, PR
Barometric Pressure



barometric pressure —
Last Observed Sample: 08/27/2015 17:54 (AST)
Barometric Pressure: 1010.6 mb

NOAA/NOS/CO-OPS 9753216 Fajardo, PR
Preliminary Water Level, relative to Mean Higher High Water (MHHW)

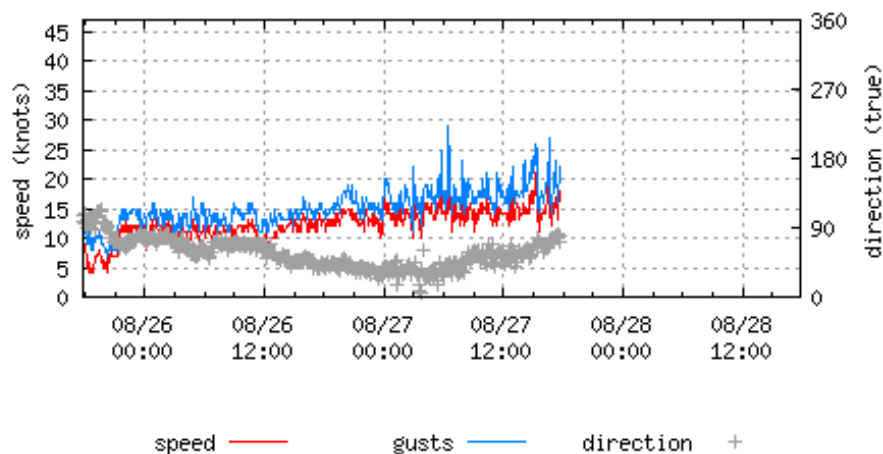


Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 08/27/2015 17:48 (AST). Data relative to MHHW
Observed: 0.50 ft. Predicted: 0.09 ft. Residual: 0.41 ft.
Historical Maximum Water Level: Aug 30 2010, 0.84 ft.
Next High Tide: 08/27/2015 18:56 (AST), 0.20 ft.

NOAA/NOS/CO-OPS 9753216 Fajardo, PR

Wind Speed / Gusts / Direction

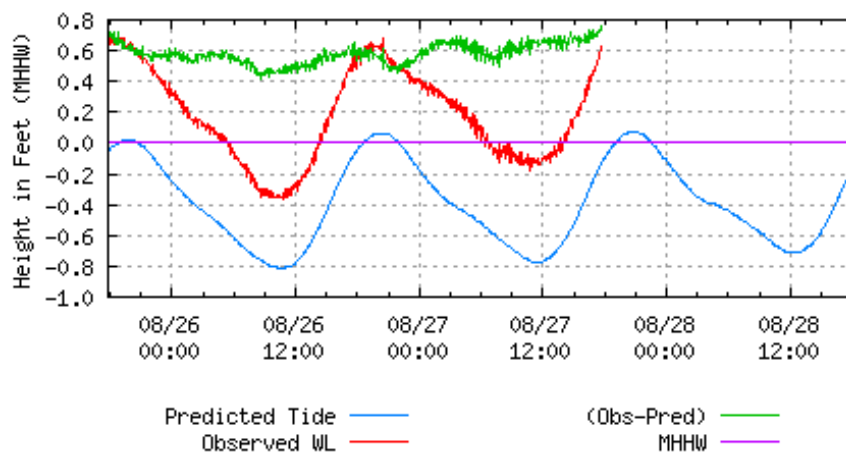


Last Observed Sample: 08/27/2015 17:48 (AST)

Wind Speed: 16 knots Gusts: 20 knots Direction: 83° T

NOAA/NOS/CO-OPS 9754228 Yabucoa Harbor, PR

Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Last Observed Sample: 08/27/2015 17:48 (AST). Data relative to MHHW

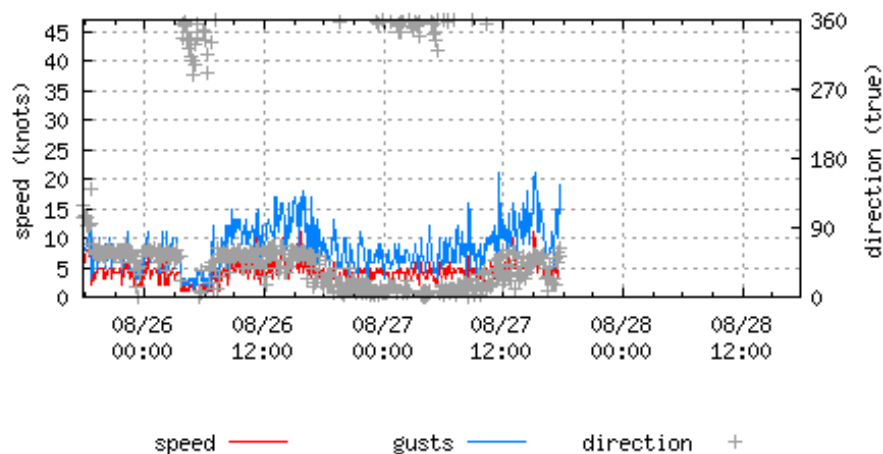
Observed: 0.61 ft. Predicted: -0.12 ft. Residual: 0.73 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/27/2015 20:51 (AST), 0.08 ft.

NOAA/NOS/CO-OPS 9754228 Yabucoa Harbor, PR

Wind Speed / Gusts / Direction

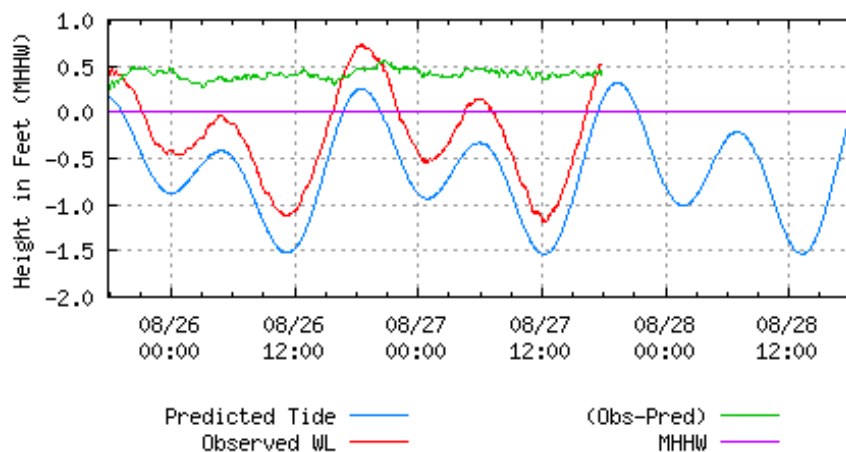


Last Observed Sample: 08/27/2015 17:48 (AST)

Wind Speed: 6 knots Gusts: 14 knots Direction: 54° T

NOAA/NOS/CO-OPS 9755371 San Juan, PR

Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Last Observed Sample: 08/27/2015 17:48 (AST). Data relative to MHHW

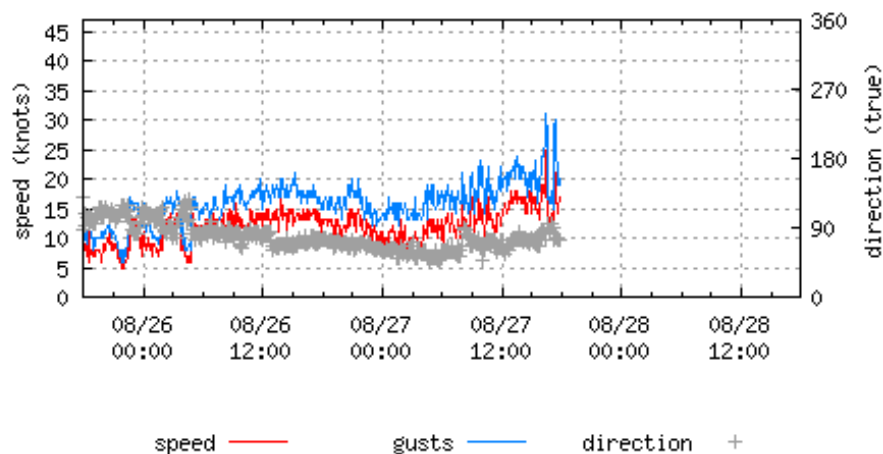
Observed: 0.53 ft. Predicted: 0.12 ft. Residual: 0.41 ft.

Historical Maximum Water Level: Sep 18 1989, 2.77 ft.

Next High Tide: 08/27/2015 19:20 (AST), 0.32 ft.

NOAA/NOS/CO-OPS 9755371 San Juan, PR

Wind Speed / Gusts / Direction

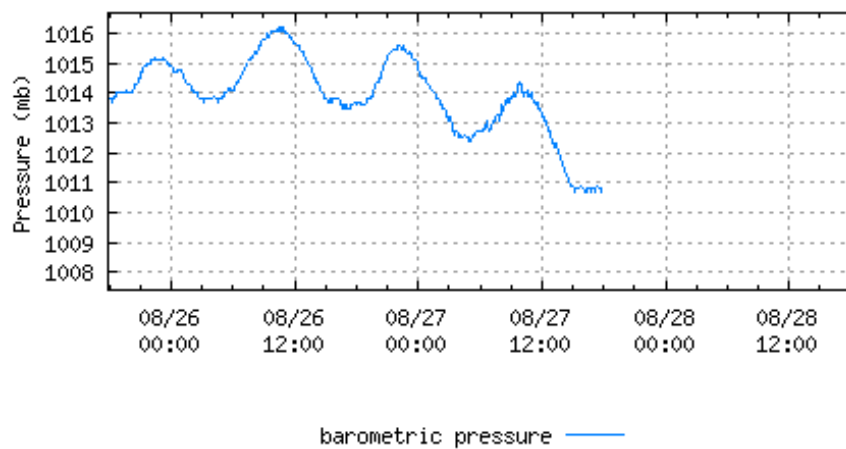


Last Observed Sample: 08/27/2015 17:48 (AST)

Wind Speed: 17 knots Gusts: 20 knots Direction: 75° T

NOAA/NOS/CO-OPS 9755371 San Juan, PR

Barometric Pressure



Last Observed Sample: 08/27/2015 17:48 (AST)

Barometric Pressure: 1010.7 mb

Tropical Storm ERIKA QuickLook, POSTED 18:00 AST 08/27/2015

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
9761115	Barbuda	08/27/2015 17:48 (AST)	0.41 ft	0.09 ft	0.32 ft	0.75 ft
9751364	Christiansted Harbor, St Croix, VI	08/27/2015 17:48 (AST)	0.46 ft	-0.05 ft	0.51 ft	0.58 ft
9751639	Charlotte Amalie, VI	08/27/2015 17:48 (AST)	0.64 ft	0.10 ft	0.54 ft	0.81 ft
9752619	Isabel Segunda, Vieques Island, PR	08/27/2015 17:48 (AST)	0.58 ft	-0.11 ft	0.69 ft	0.64 ft
9752695	Esperanza, Vieques Island, PR	08/27/2015 17:54 (AST)	0.60 ft	-0.06 ft	0.66 ft	0.61 ft
9753216	Fajardo, PR	08/27/2015 17:48 (AST)	0.50 ft	0.09 ft	0.41 ft	0.61 ft
9754228	Yabucoa Harbor, PR	08/27/2015 17:48 (AST)	0.61 ft	-0.12 ft	0.73 ft	0.67 ft
9755371	San Juan, PR	08/27/2015 17:48 (AST)	0.53 ft	0.12 ft	0.41 ft	0.73 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce